



TITLE: Pharmaceutical Compositions and Methods
to Vaccinate Against Disseminated Candidiasis
INVENTOR(S): John E. Edwards, et al.
APPLICATION NO.: 09/715,876
ATTY REFERENCE: 13361.4001

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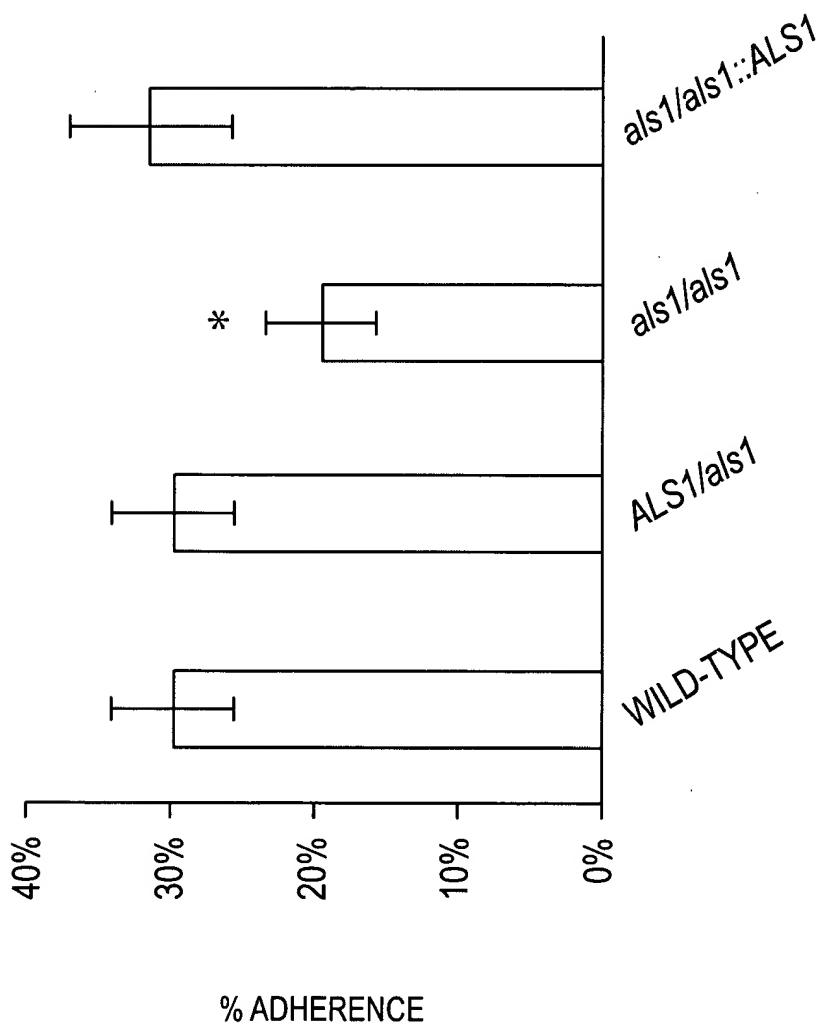


FIG. 1A



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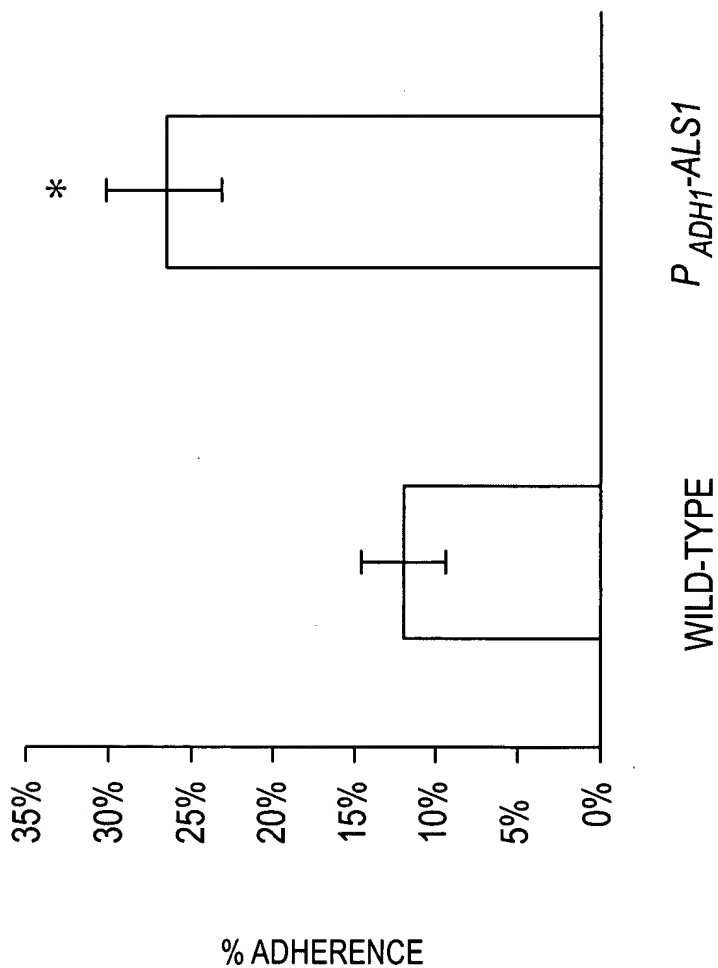


FIG. 1B



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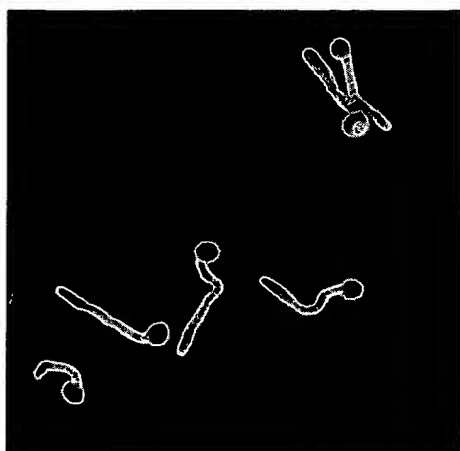


FIG. 2A

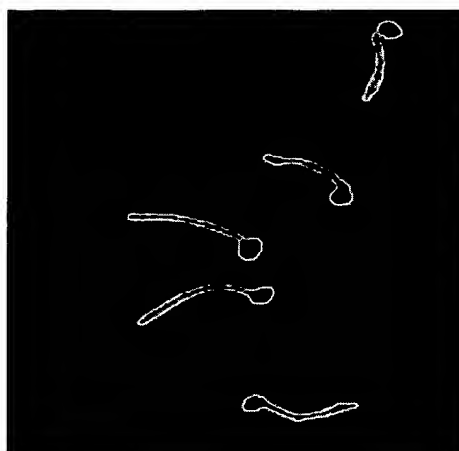


FIG. 2B

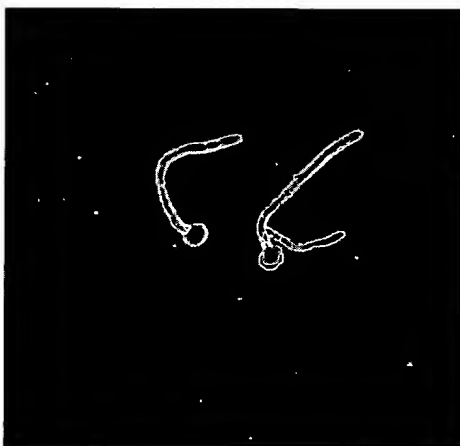


FIG. 2C

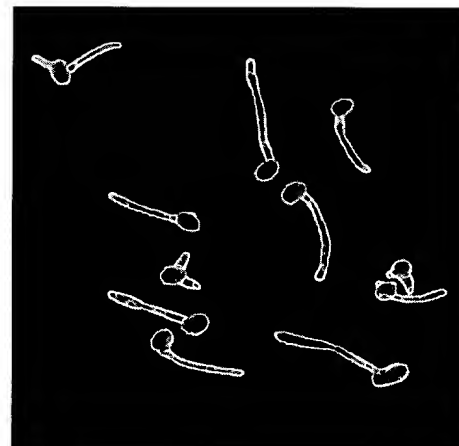


FIG. 2D



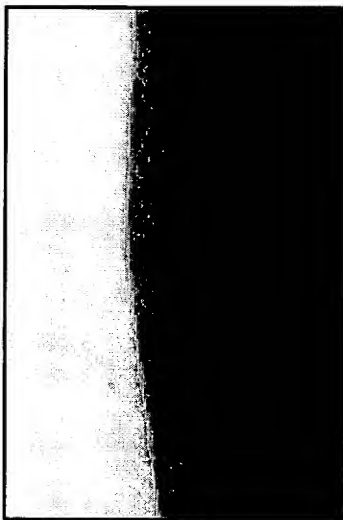
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als1/als1::ALS1



als1/als1



WILD-TYPE



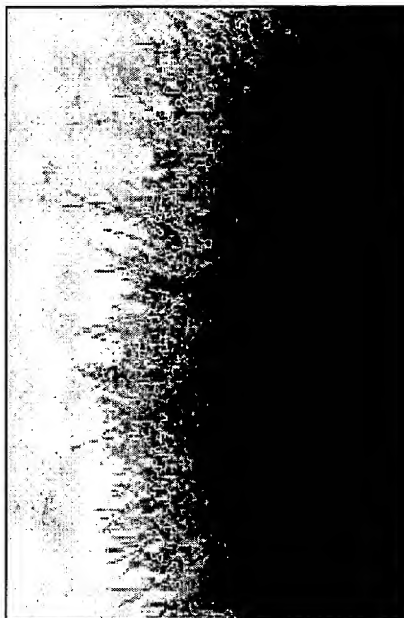
FIG. 3A



TITLE: Pharmaceutical Compositions and Methods
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P_{ADH1}-ALS1



WILD-TYPE

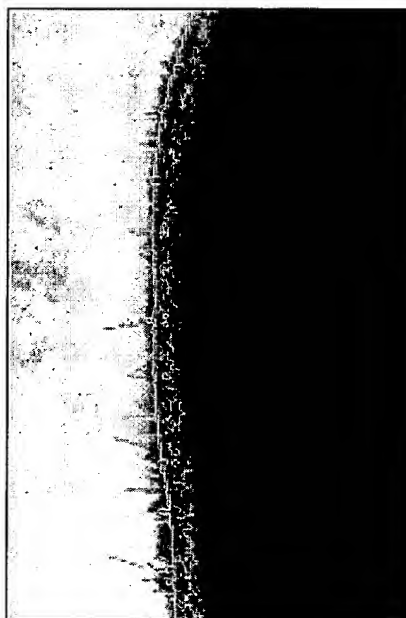


FIG. 3B



TITLE: Pharmaceutical Compositions and Methods
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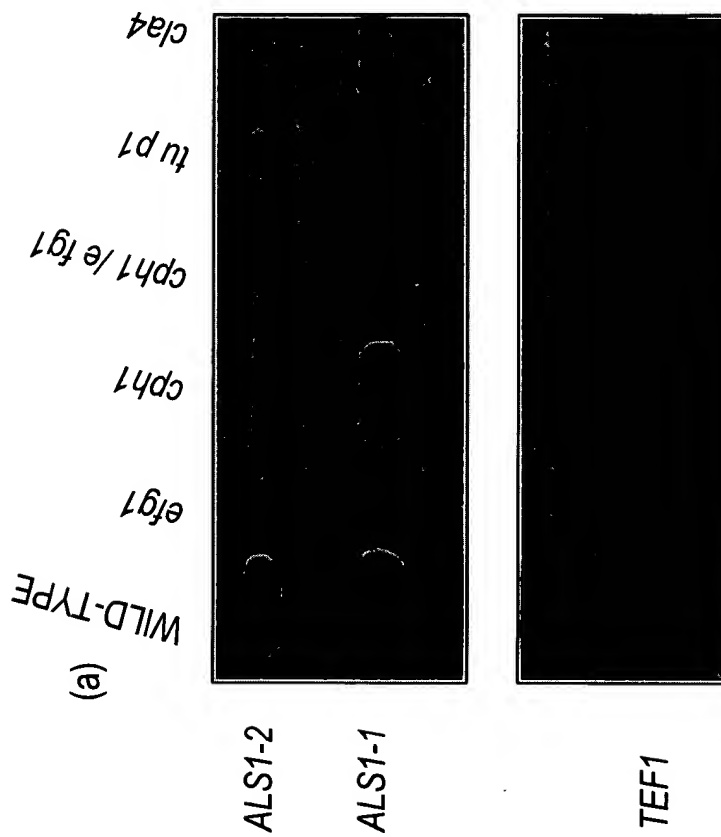
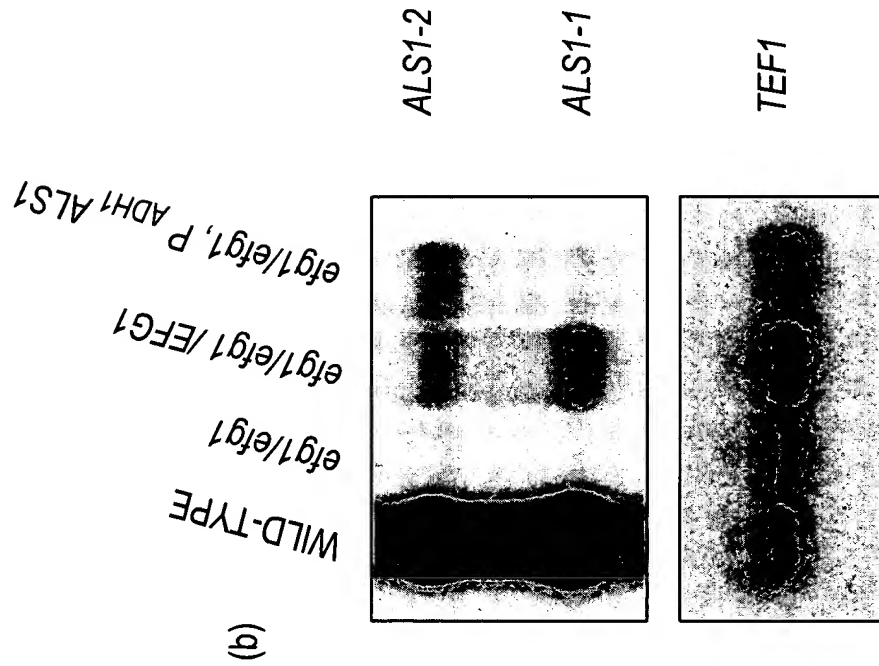


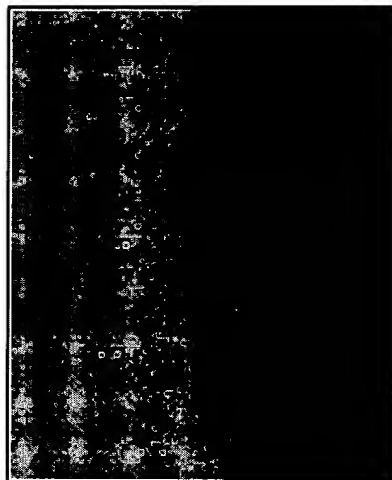
FIG. 4A



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efg1/efg1/ P_{ADH1} ALS1



efg1/efg1

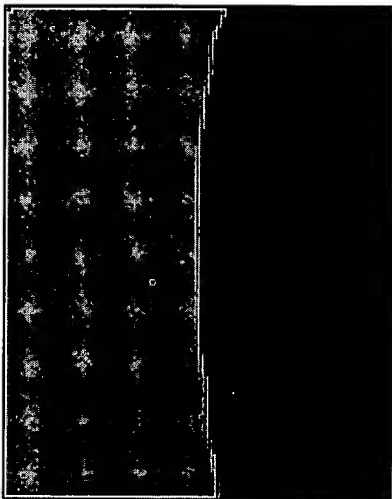


FIG. 4B



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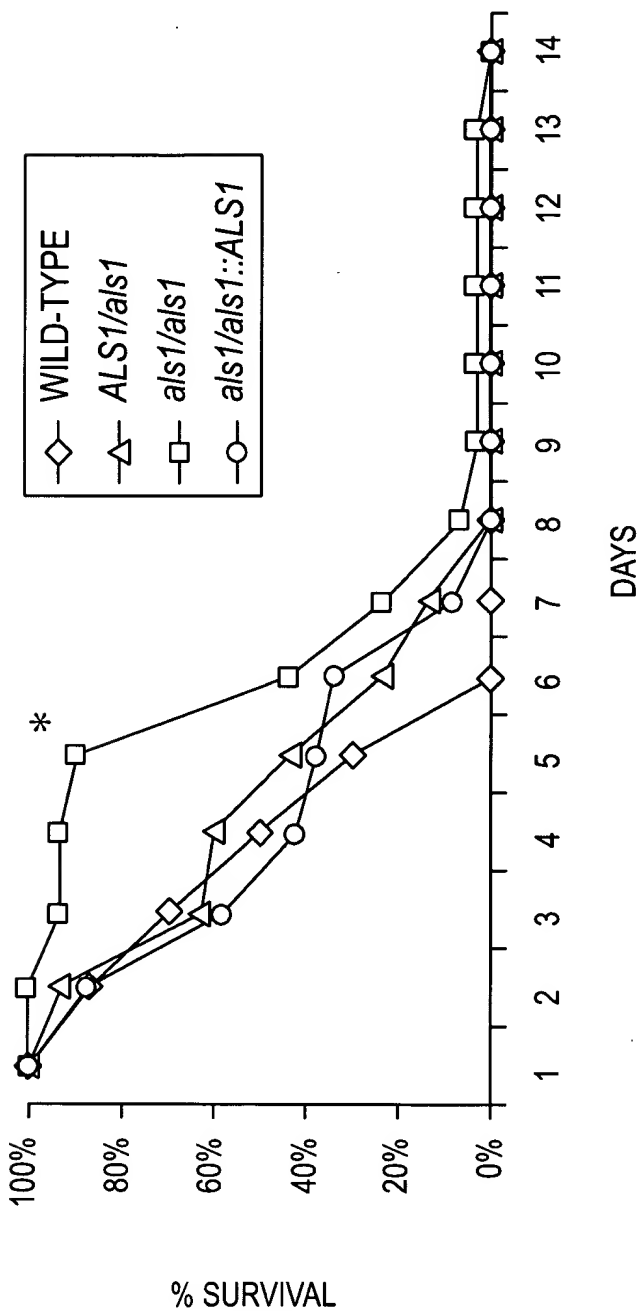


FIG. 5A



TITLE: Pharmaceutical Compositions and Methods to Vaccinate Against Disseminated Candidiasis
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als1/als1::ALS1



als1/als1::ALS1



als1/als1



als1/als1



WILD-TYPE



WILD-TYPE



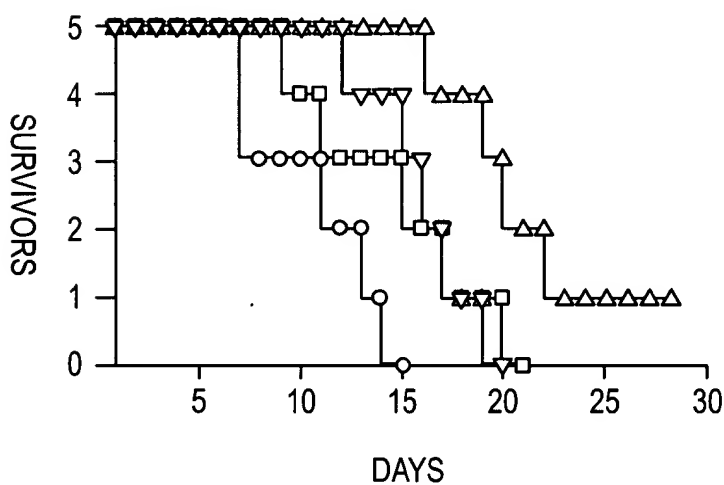
FIG. 5B



TITLE: Pharmaceutical Compositions and Methods to Vaccinate Against Disseminated Candidiasis
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Prophylactic effect of antiALS antibody against disseminated candidiasis



	MST (days)
—○— DPBS	11.4 ± 3.3
—□— NRS (PB) ¹	15.4 ± 4.4
—△— S ² -antiALS	22.0 ± 4.5
—▽— I ³ -antiALS	16.8 ± 2.6

FIG. 6



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FIG. 7

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1 ATGCTTCAACAATTTACATTGTTATTCCTATATTTGTCAATTGCAAGTGCAAAGACAATC
1 M L Q Q F T L L F L Y L S I A S A K T I

61 ACTGGTGTGTTTGTAGTGTAAATTCATTAACCTGGTCCAATGCTGCTAATTATGCTTTC
21 T G V F D S F N S L T W S N A A N Y A F

121 AAAGGGCCAGGATACCCAACCTGGAATGCTGTTTGGGTTGGTCCTTAGATGGTACCAGT
41 K G P G Y P T W N A V L G W S L D G T S

181 GCCAATCCAGGGGATACATTACATTGAATATGCCATGTGTGTTTAAATATACTACTTCA
61 A N P G D T F T L N M P C V F K Y T T S

241 CAAACATCTGTTGATTAACTGCCGATGGTGTAAATATGCTACTGTCAATTTTATTCT
81 Q T S V D L T A D G V K Y A T C Q F Y S

301 GGTGAAGAATTCACAACCTTTTCTACATTAACATGTACTGTGAACGACGCTTTGAAATCA
101 G E E F T T F S T L T C T V N D A L K S

361 TCCATTAAGGCATTTGGTACAGTTACTTTACCAATTGCATTCAATGTTGGTGGAACAGGT
121 S I K A F G T V T L P I A F N V G G T G

421 TCATCAACTGATTGGAAGATTCTAAATGTTTACTGCTGGTACCAATACAGTCACATTT
141 S S T D L E D S K C F T A G T N T V T F

481 AATGATGGTGATAAAGATATCTCAATTGATGTTGAGTTTGAAGTCAACCGTTGATCCA
161 N D G D K D I S I D V E F E K S T V D P

541 AGTGCATATTTGTATGCTTCCAGAGTTATGCCAAGTCTCAATAAGGTCACAACCTCTTTT
181 S A Y L Y A S R V M P S L N K V T T L F

601 GTGGCACCACAATGTGAAATGGTTACACATCTGGTACAATGGGTTCTCCAGTAGTAAC
201 V A P Q C E N G Y T S G T M G F S S S N

661 GGTGACGTTGCTATTGATTGCTCAAATATTCATATTGGTATCACAAAAGGATTAAATGAT
221 G D V A I D C S N I H I G I T K G L N D

721 TGGAATTATCCGGTTTCATCTGAATCATTTAGTTACACTAAACTGTACATCTAATGGA
241 W N Y P V S S E S F S Y T K T C T S N G

781 ATTCAGATTAAATATCAAAATGTACCTGCTGGTTATCGTCCATTTATTGATGCTTATATT
261 I Q I K Y Q N V P A G Y R P F I D A Y I

841 TCTGCTACAGATGTTAACCAATATACTTTAGCATATACCAATGATTATACTTGTGCTGGC
281 S A T D V N Q Y T L A Y T N D Y T C A G

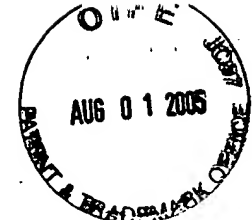
901 AGTCGTCTGCAAAGTAAACCTTTCACTTTAAGATGGACTGGATACAAGAATAGTGATGCC
303 S R L Q S K P F T L R W T G Y K N S D A

961 GGATCTAACGGTATTGTCATTGTTGCTACAACCTAGAACAGTTACAGACAGTACCACTGCT
321 G S N G I V I V A T T R T V T D S T T A

1021 GTCACTACTTTACCATTCAATCCAAGTGTGATAAAACCAAAACAATCGAAATTTTGCAA

FIG. 7A

CONTINUED ON FIGURE 7B



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FIG. 7

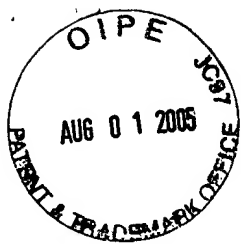
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CONTINUED FROM FIGURE 7A

341 V T T L P F N P S V D K T K T I E I L Q
1081 CCTATTCCAACCACTACCATCACAACCTTCATATGTTGGTGTGACTACTTCCTATCTGACT
361 P I P T T T I T T S Y V G V T T S Y L T
1141 AAGACTGCACCAATTGGTGAAACAGCTACTGTTATTGTTGATGTGCCATATCATACTACC
381 K T A P I G E T A T V I V D V P Y H T T
1201 ACAACTGTTACCAAGTGAATGGACAGGAACAATCACTACCACCACAACCTCGTACCAATCCA
401 T T V T S E W T G T I T T T T T R T N P
1261 ACTGATTCAATTGACACAGTGGTGGTACAAGTTCCTACTGCCAAATCCAACCTGTTAGTACT
421 T D S I D T V V V Q V P L P N P T V S T
1321 ACTGAATATTGGTCTCAGTCCTTTGCTACAACCACTACAGTTACTGCTCCTCCAGGTGGT
441 T E Y W S Q S F A T T T T V T A P P G G
1381 ACCGATACTGTGATTATCAGAGAGCCACCAACCACTACTGTCACTACTACTGAATATTGG
461 T D T V I I R E P P N H T V T T T E Y W
1441 TCACAATCCTTTGCTACTACTACTACTGTTACTGCTCCTCCAGGTGGTACTGACTCAGTA
481 S Q S F A T T T T V T A P P G G T D S V
1501 ATTATCAGAGAACCACCAATCCAACCTGTCACTACAACCGAGTATTGGTCTCAATCCTTT
501 I I R E P P N P T V T T T E Y W S Q S F
1561 GCTACTACTACTACAGTTACTGCTCCTCCAGGTGGTACTGACTCAGTAATTATCAGAGAA
521 A T T T T V T A P P G G T D S V I I R E
1621 CCTCCAAACCACTGTCACCACCACTGAATATTGGTCCCAATCTTACGCAACCACAAC
541 P P N P T V T T T E Y W S Q S Y A T T T
1681 ACTGTGACTGCTCCTCCAGGAGGCACTGACTCAGTAATTATCAGAGAACCACCAACCACT
561 T V T A P P G G T D S V I I R E P P N H
1741 ACTGTCACTACTACTGAATACTGGTCACAATCATATGCCACCACTACCCTGTAACCTGCA
581 T V T T T E Y W S Q S Y A T T T T V T A
1801 CCACCAGGTGGTACTGACACTGTTATCATTAGAGAGCCACCAACCACTGTCACTACT
601 P P G G T D T V I I R E P P N H T V T T
1861 ACTGAGTATTGGTCTCAATCGTTTGCTACTACCACAACCTGTAACCTGGTCCCAAGTGGC
621 T E Y W S Q S F A T T T T V T G P P S G
1921 ACTGATACTGTTATCATTAGGGAACCACCAACCACTGTCACCCTACTGAATACTGG
641 T D T V I I R E P P N P T V T T T E Y W
1981 TCTCAATCATATGCAACCACTACTACCATTACCGCTCCACCTGGTGAACTGATACCGTT
661 S Q S Y A T T T T I T A P P G E T D T V
2041 CTTATCAGAGAGCCACCAACCACTGTCACTACTACTGAATACTGGTCTCAATCATAT
681 L I R E P P N H T V T T T E Y W S Q S Y
2101 GCTACAACCACCACTGTTACTGCACCACCTGGTGAAACCGATACCGTTCTTATCAGAGAG
701 A T T T T V T A P P G E T D T V L I R E
2161 CCACCAACCACTACTGTCACTACTACTGAATACTGGTCTCAATCATATGCTACAACCACC

FIG. 7B

CONTINUED ON FIGURE 7C



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FIG. 7

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CONTINUED FROM FIGURE 7B

721 P P N H T V T T T E Y W S Q S Y A T T T
2221 ACTGTTACTGCACCACCAGGTGGTACCGATACTGTTATCATTAGAGAGCCACCAATCCA
741 T V T A P P G G T D T V I I R E P P N P
2281 ACAGTTACTACTACTGAATATTGGTCACAATCATTTGCCACAACCACCACAGTTACTGCT
761 T V T T T E Y W S Q S F A T T T T V T A
2341 CCTCCAGGTGGTACTGACACTGTGATTATCTATGAAAGCATGTCAAGTTCAAAGATTTC
781 P P G G T D T V I I Y E S M S S S K I S
2401 ACATCCTCCAATGATATAACCAGTATCATTCCATCATTTTCCCGTCCTCATTATGTCAAC
801 T S S N D I T S I I P S F S R P H Y V N
2461 AGCACAACTCCGATTGTGCAACATTGAATCTTCATCCATGAATACTCCTACTTCTATC
821 S T T S D L S T F E S S S M N T P T S I
2521 AGTAGTGATGGTATGTTGTTGCTTCTACAACCTTTGGTTACTGAATCAGAAACAACACTACA
841 S S D G M L L S S T T L V T E S E T T T
2581 GAACTGATTTGCAGTGATGGTAAAGAGTGTCTAGATTGTCCAGTTCTTCTGGTATTGTC
861 E L I C S D G K E C S R L S S S S G I V
2641 ACAAATCCAGATAGCAATGAATCCTCAATCGTAAGTACTGTCTCTACTGCAAGTACA
881 T N P D S N E S S I V T S T V P T A S T
2701 ATGCTGATTCACCTTTCTTCAACTGATGGTATTAGTGCTACATCTTCTGATAATGTTTCA
901 M S D S L S S T D G I S A T S S D N V S
2761 AAATCAGGAGTATCAGTTACAACCGAACTTCTGTTACAACCTATTCAAACCTACTCCAAAC
921 K S G V S V T T E T S V T T I Q T T P N
2821 CCATTATCATCTTCAGTGACATCATTTGACTCAGTTGTCTTCAATTCCAAGTGTTCAGAA
941 P L S S S V T S L T Q L S S I P S V S E
2881 AGTGAAAGTAAAGTTACATTTACAAGCAATGGAGACAACCAAGTGGTACTCATGATTCA
961 S E S K V T F T S N G D N Q S G T H D S
2941 CAATCTACTTCCACTGAAATTGAAATTGTAACAACCAAGTTCTACTAAAGTTTACCACCT
981 Q S T S T E I E I V T T S S T K V L P P
3001 GTCGTTTCTTCTAATACTGATTTGACTAGTGAACCAACAAATACCAGAGAACAACCAACT
1001 V V S S N T D L T S E P T N T R E Q P T
3061 ACATTATCAACTACTTCAAACCTCCATCAGTGAAGATATCACCACATCTCAACCTACAGGT
1021 T L S T T S N S I T E D I T T S Q P T G
3121 GATAATGGAGACAATACTTCAACCAATCCAGTTCCAAGTGTGGCAACAAGTACTTTA
1041 D N G D N T S S T N P V P T V A T S T L
3181 GCATCTGCAAGTGAAGAAGACAACAAAGCGGTTCTCATGAATCAGCATCCACAAGTTTG
1061 A S A S E E D N K S G S H E S A S T S L
3241 AAACCAAGTATGGGTGAAAATTCTGGATTAAGTACTTCTACTGAAATTGAAGCTACAACA
1081 K P S M G E N S G L T T S T E I E A T T
3301 ACCAGTCTACAGAAGCTCCATCACCTGCTGTTTCTTCTGGTACTGATGTAAGTACTGAA

FIG. 7C

CONTINUED ON FIGURE 7D



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FIG. 7

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CONTINUED FROM FIGURE 7C

1101 T S P T E A P S P A V S S G T D V T T E
3361 CCAACTGATACTAGAGAACAACCTACTACATTATCAACTACTTCAAAAACAAACAGTGAA
1121 P T D T R E Q P T T L S T T S K T N S E
3421 CTGGTTGCTACTACACAAGCTACTAATGAAAATGGTGGTAAATCTCCATCAACTGATTTA
1141 L V A T T Q A T N E N G G K S P S T D L
3481 ACATCAAGCTTGACAACAGGCACCTCAGCATCTACAAGTGCTAATAGCGAACTTGTTACT
1161 T S S L T T G T S A S T S A N S E L V T
3541 AGTGGATCTGTTACTGGTGGAGCTGTTGCCAGTGCTTCAAATGATCAATCACATTCTACT
1181 S G S V T G G A V A S A S N D Q S H S T
3601 TCTGTTACCAACAGCAACAGCATTGTATCTAATACCCACAAACTACATTGAGTCAACAA
1201 S V T N S N S I V S N T P Q T T L S Q Q
3661 GTTACCTCATCCTCACCTTCAACCAACACATTTCATTGCTTCTACATACGATGGCTCTGGT
1221 V T S S S P S T N T F I A S T Y D G S G
3721 TCTATTATCCAACATTCTACTTGGTTGTACGGTTTGATCACATTATTGTCCTTGTTCATT
1241 S I I Q H S T W L Y G L I T L L S L F I
3781 TAGTGA
1261 * *

FIG. 7D